

I am interested in applications of achievements of space science to the economics and consider the subject matter of the application as a good example of such application. It seems to be the first published proposal to use a natural stochastic process going in the near Earth space for generation of random numbers in the gambling industry. I believe that the applied generator is quite original but simultaneously it is obvious for me how to arrange a space game using this generator following procedures of roulette or lottery. The key feature is the separate gaming fields. If it is arranged so that the number of gaming fields onboard a spacecraft equals to the number of the roulette gaming fields, unambiguous correspondence between the space gaming fields and roulette gaming fields is established, it is agreed that a collision of a space particle with a gaming field corresponds to a drop out of a ball on a roulette field, then there would be no substantial difference between the two games. The same may be said about the lottery. If it is arranged that the number of gaming fields onboard a spacecraft equals to the number of the balls in the lottery drum, unambiguous correspondence between the space gaming fields and lottery balls is established, it is agreed that a collision of a space particle with a gaming field corresponds to a drop out of a ball from the lottery drum, then it is clear how to arrange a space game following the procedure of lottery.

I, the undersigned, make the above declaration being warned that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. §1001) and may jeopardize the validity of the application or any patent issuing thereon. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true.

Respectfully submitted,



[Roman I. Yakimenko]

15.04.2009

Date signed

CURRICULUM VITAE

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Date of birth: 01.10.1953.

Place of birth: Sverdlovsk, Russia.

Education: Moscow Aviation Institute, 1976.

Scientific Degree: Doctor of Philosophy (Candidate of Science),
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Member - correspondent, Russian Academy of Cosmonautics, 2007.

Track Record: Federal Space Agency, Head of Division, since 1994;

Keldysh R&D Center, Moscow, Leading Engineer, 1979-1994;

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